

forming unit - CFU). Stromal cells and CFU are isolated by means of sterile glass cylinders and expanded in culture. A clone, called Fsp 62891, contains the flk-2 ligand. Fsp 62891 was deposited in the American Type Culture Collection, 10801 University Blvd., Manassas, VA, 20110-2209 U.S.A. on November 21, 1991, accession number CRL 10935.

On page 28, please delete the last paragraph, lines 28-35, and insert the following:

B³ --Fetal liver and thymus cells are prepared in a similar way. Both of these cell types produce ligands of flk-1 and, in the case of liver, some flk-2. One such fetal thymus cell line, called F.thy 62891, and one such fetal liver cell line, called FL 62891, were deposited in the American Type Culture Collection, 10801 University Blvd., Manassas, VA, 20110-2209 U.S.A. on November 21, 1991 and April 2, 1992, respectively, accession numbers CRL 10936 and CRL 11005, respectively.

On page 44, please delete the second full paragraph, lines 18-25, and insert the following:

B⁴ --A synthetic DNA fragment (Fragment 1) is synthesized using complementary oligonucleotides BP1 and BP2 (see below and SEQ. ID. NOS. 7 and 8). The fragment encoded the following features in the 5' to 3' order: Sal I restriction site, 22 base pair (bp) 5' untranslated region containing an eukaryotic ribosome binding site, an ATG initiation codon, preprotrypsinogen signal sequence, coding region for the FLAG peptide (DYKDDDDKI) (SEQ ID NO:11) and Bgl II restriction site.

On page 45, please delete the second full paragraph, lines 15-30, and insert the following:

--The sequences of oligonucleotides used to construct the Flag-Flk2 gene are given below:

B⁵ Oligonucleotide BP1 (SEQ ID NO:7):

5'-AATTCGTCGACTTTCTGTCACCATGAGTGCACCTTCTGATCCTAGCCCTTGTG
GGAGCTGCTGTTGCTGACTACAAAGATGATGATGACAAGATCTA-3'

Oligonucleotide BP2 (SEQ ID NO:8):

5'-AGCTTAGATCTTGTGCATCATCATCTTTGTAGTCAGCAACAGCAGCTCCCACA
AGGGCTAGGATCAGAAGTGCACATCATGGTGACAGAAAGTCGACG-3'

Oligonucleotide BP5 (SEQ ID NO:9):

5'-TGAGAAGATCTCAAACCAAGACCTGCCTGT-3'

Oligonucleotide BP10 (SEQ ID NO:10):

5'-CCAATGGCGGCCGCTCAGGAGATGTTGTCTTGGA-3' -

On pages 49, please delete the last paragraph, starting at line 23 and spanning to page 50, line 4, and insert the following:

The invention as claimed is enabled in accordance with the above specification and readily available references and starting materials.

Nevertheless, Applicants have deposited with the American Type Culture Collection, 10801 University Blvd., Manassas, VA, 20110-2209 U.S.A. (ATCC) the cell lines listed below:

2018, ATCC accession no. CRL 10907, deposited October 30, 1991.

Fsp 62891, ATCC accession no. CRL 10935, deposited November 21, 1991.

F.thy 62891, ATCC accession no. CRL 10936, deposited November 21, 1991.

FL 62891, ATCC accession no. CRL 11005, deposited April 2, 1992. --

REMARKS

Based on a telephone conference with the Examiner in co-pending U.S. Patent Application Serial No. 09/872,136 and in accordance with the Examiner's request, the specification has been amended hereinabove to insert the new address of the American Type Culture Collection on pages 26, 28, and 49; the specification has also been amended to insert SEQ ID NOS for sequences on pages 44 and 45. An amended Sequence Listing is also submitted herewith in both a paper copy and computer readable form.